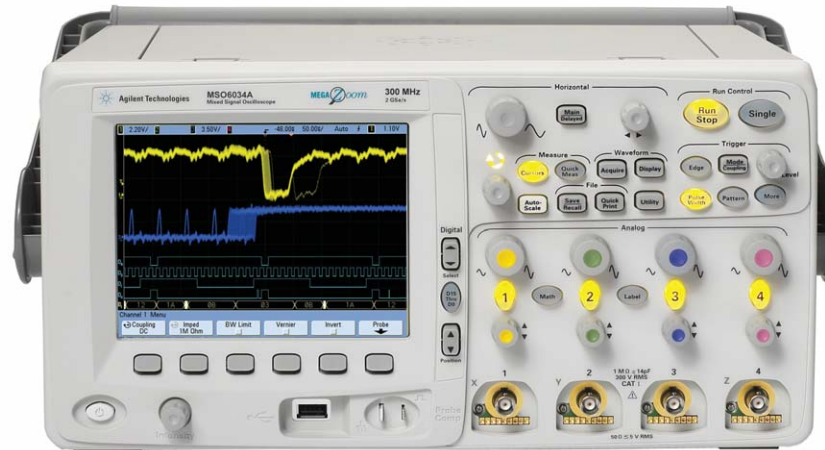


Agilent InfiniiVision 6000 Series Oscilloscopes

Fastest way to debug your design



Key specifications

Bandwidth	100 MHz, 300 MHz, 500 MHz and 1 GHz models
Channels	2-ch, 4-ch, 2 analog +16 digital, 4 analog +16 digital
Sample rate	2 GSa/s (100-300 Mhz), 4 GSa/s (500 Mhz-1 Ghz)
Memory	8 Mpts standard
Display	High-definition display with XGA resolution, 256 levels of intensity and 100,000 waveform/sec update rate
Triggering	Edge, pulse width, pattern, V, duration, sequence, serial bus (I ² C, SPI, CAN, LIN, RS-232/UART, and FlexRay)
Warranty	Standard 3-year warranty

Agilent InfiniiVision 6000 Series scopes will help you identify your most elusive problems faster with:

Fastest uncompromised update rate

View infrequent anomalies that most scopes miss with an update rate 5000 times better than the competition.

Fast deep memory

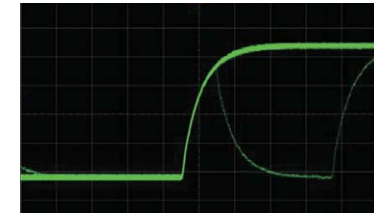
Always on, deep and responsive, MEGAzoom III memory lets you see more time with more detail.

Real-time serial decode

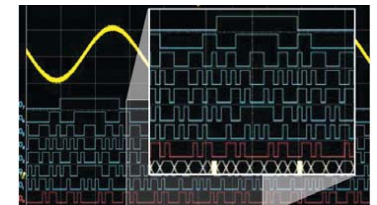
Hardware-based serial decode provides unrivaled real-time update rates to capture infrequent protocol errors.

Fast digital debug

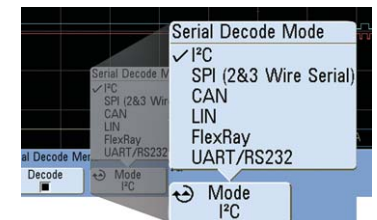
Combine analog channels with 16 time-correlated digital channels for rapid debug.



Fast and responsive: an update rate 5000 times better means you will see even the most elusive events.



Mixed signal means 16 digital channels to help you debug your μ P, μ C, ADC, FPGAs and more.



Real-time hardware-based serial decode for I²C, SPI, CAN, LIN, RS-232/UART, and FlexRay.



Agilent Technologies

Order the mixed-signal oscilloscope (MSO) to add 16 digital timing channels to any 2- or 4-channel scope

Oscilloscope models

Model	Bandwidth	Sample rate	Analog channels
DSO / MSO 6012A	100 MHz	2 GSa/s	2
DSO / MSO 6014A	100 MHz	2 GSa/s	4
DSO / MSO 6032A	300 MHz	2 GSa/s	2
DSO / MSO 6034A	300 MHz	2 GSa/s	4
DSO / MSO 6052A	500 MHz	4 GSa/s	2
DSO / MSO 6054A	500 MHz	4 GSa/s	4
DSO / MSO 6102A	1 GHz	4 GSa/s	2
DSO / MSO 6104A	1 GHz	4 GSa/s	4

Options and accessories

Model	Description
BAT	Battery-power option
N2916B	Rackmount kit
N2914A	DSO to MSO upgrade for 100 MHz, 300 MHz
N2915A	DSO to MSO upgrade for 500 MHz, 1 GHz
ABA**	English language option and manual
ABJ	Japanese language option and manual
AB2	Simplified and Traditional Chinese language option and manual

** English is standard, or substitute an alternative language for manual and user interface

Get the same superior InfiniiVision in other form factors and price points to meet your needs.



The only scope that grows with your needs and budget

Start with:
> DSO

10-minute
user-installed
upgrade

Upgrade to:
> MSO

Applications

Model	Description
AMS / N5424A	CAN/LIN automotive triggering and decode (for 4 and 4+16 channel models only)
LSS / N5423A	I ² C/SPI serial decode option (for 4 and 4+16 channel models only)
FRS / N5432A	FlexRay automotive triggering and decode (for 4 and 4+16 channel models only and requires VPT1000)
232 / N5457A	RS-232/UART triggering and decode (for 4+16 channel models only)
N5406A	FPGA dynamic probe for Xilinx (MSO models only)
N5434A	FPGA dynamic probe for Altera (MSO models only)
B4610A	Offline viewing and analysis of MSO/DSO data on a PC
U1881A	Power measurement and analysis application
SGM / N5454A	Segmented memory

Recommended probes

Model	Description
1146A	100 kHz current probe, AC/DC
N2772A*	20 MHz/1.2 kV differential probe
10070C	1:1, 20 MHz passive probe
10076A	100:1, 4 kV, 250 MHz high-voltage probe
N2783A**	100 MHz/30 A current probe, AC/DC
1147A	50 MHz/15 A current probe, AC/DC
1141A***	200 MHz differential probe
1156A	10:1 active probe, 1.5 GHz
1130A	InfiniiMax active probe - choose one or more probe head
1144A*	10:1 active probe, 800 MHz

* Requires N2773A power supply. ** Requires N2779A power supply. *** Requires 1142A power supply.

For more information on this and other Agilent scopes please visit www.agilent.com/find/6000

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